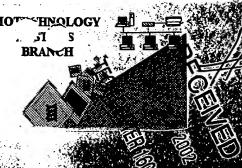
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer real able form:

Application Serial Number:	09 686, 234A	
Source:	1600	
Date Processed by STIC:	7/18/02	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or.

APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER 1703-308-4212

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERTWAY, 708-2002-4916.

PATENTIN 2:1 e-mail help: patin 21 help@uspto.gov or phone 703-306-4119 (R-XVIX)

PATENTIN 3.0 e-mail help: patin 3 help@uspto.gov or phone 703-306-4119 (R-XVIX)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- 3. Hand Carry directly to:
 - U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Tw 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

1600



Does Not Comply Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/686,234A

DATE: 07/18/2002 TIME: 13:16:40

Input Set : A:\EP.txt

Output Set: N:\CRF3\07182002\I686234A.raw

SEQUENCE LISTING

			SEQUENCE LISTING
	2	(1) GENE	RAL INFORMATION:
	4	(i)	APPLICANT: SOMMERVILLE, CHRIS
	5		SCHIEBLE, WOLF
	6	(ii)	TITLE OF INVENTION: MODIFIED CELLULOSE SYNTHASE GENE
	7		FROM ARABIDOPSIS THALIANA CONFERS HERBICIDE RESISTANCE
	8		TO PLANTS
	10	(iii)	NUMBER OF SEQUENCES: 2
	12	(iv)	CORRESPONDENCE ADDRESS:
	13		(A) ADDRESSEE: PAUL A. GOTTLIEB, AGCTT
	14		DEPARTMENT OF ENERGY
	15		GC-62 (FORSTL) MS-6F-067
	16		(B) STREET: 1000 INDEPENDENCE AVE. S.W.
	17		(C) CITY: WASHINGTON, D.C.
C>	18		(F) ZIP: 20585
	20	(V)	COMPUTER READABLE FORM:
	21		(A) MEDIUM TYPE: FLOPPY DISK
	22		(B) COMPUTER: IBM PC COMPATIBLE
	23		(C) OPERATING SYSTEM: MS-DOS
	24		(D) SOFTWARE: WORDPERFECT 8
	26	(vi)	CURRENT APPLICATION DATA:
C>	27		(A) APPLICATION NUMBER: US/09/686,234A
C>	28		(B) FILING DATE: 11-Oct-2000
	31	(viii)	ATTORNEY/AGENT INFORMATION:
	32		(A) NAME: SMITH, BRADLEY
	33		(B) REGISTRATION NUMBER: 334436
	34		(C) REFERENCE/DOCKET NUMBER: S-93994
C>	36	(ix)	TELECOMMUNICATION INFORMATION:
	37		(A) TELEPHONE: 630-252-2160
	38		(B) TELEFAX: 630-252-2779 The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

ERRORED SEQUENCES

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43 (2) INFORMATION FOR SEQ ID NO: 1:
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     46
     47
                  (B) TYPE: NUCLEIC ACID
     48
                  (C) STRANDEDNESS: DOUBLE STRANDED
     49
                  (D) TOPOLOGY: LINEAR
C--> 52
            (ii) MOLECULE TYPE: cDNA
     58
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
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E--> 60
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Mult be on the night morgin;
nut be on the night morgin;
number of 60

pov Seet. 1, 823(2) munt be an nown in) RATE. RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/686,234A

DATE: 07/18/2002 TIME: 13:16:40

Input Set : A:\EP.txt

Output Set: N:\CRF3\07182002\1686234A.raw

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DATE: 07/18/2002
                     RAW SEQUENCE LISTING
                     PATENT APPLICATION: US/09/686,234A
                                                               TIME: 13:16:40
                     Input Set : A:\EP.txt
                     Output Set: N:\CRF3\07182002\1686234A.raw
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E--> 111
              3121 gctatcaaca gtggatacca atcatgggga ccactctttg gtaagttgtt ctttgccttc
E--> 112
E--> 113
              3181 tgggtgattg ttcacttgta ccctttcctc aagggtttga tgggtcgaca gaaccggact
E--> 114
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E--> 115
              3301 aggattgatc ccttcactag ccgagtcact ggcccggaca ttctggaatg tggaatcaac
              3361 tgttgagaag cgagcaaata tttacctgtt ttgagggtta aaaaaaacac agaatttaaa
E--> 116
E--> 117
              3421 ttatttttca ttgttttatt tgttcacttt tttacttttg ttgtgtgtat ctgtctgttc
E--> 118
              3481 gttcttctgt cttggtgtca taaatttatg tgtagaatat atcttactct agttactttg
E--> 119
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     127
                   (A) LENGTH: 3563 NUCLEOTIDES
     128
                   (B) TYPE: NUCLEIC ACID
     129
                   (C) STRANDEDNESS: DOUBLE STRANDED
     130
                   (D) TOPOLOGY: LINEAR
             (ii) MOLECULE TYPE: cDNA
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E--> 137
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E--> 138
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E--> 139
E--> 140
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E--> 142
               421 gatggcttag ctgatgaagg tactgttgag ttcaactacc ctcagaagga gaaaatttca
E--> 143
               481 gageggatge ttggttggea tettaetegt gggaagggag aggaaatggg ggaaceeeag
E--> 144
               541 tatgataaag aggtetetea caateatett eetegtetea egageagaea agataettea
E--> 145
               601 ggagagtttt ctgctgcctc acctgaacgc ctctctgtat cttctactat cgctggggga
E--> 146
E--> 147
               661 aagegeette eetatteate agatgteaat eaateaceaa atagaaggat tgtggateet
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E--> 148
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E--> 150
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E--> 151
               961 cggcttgtta tcctttgtct cttcttgcat taccgtataa caaacccagt gccaaatgcc
E--> 152
E--> 153
              1021 tttgctctat ggctggtctc tgtgatatgt gagatctggt ttgccttatc ctggattttg
              1081 gatcagtttc ccaagtggtt tcctgtgaac cgtgaaacct acctcgacag gcttgcttta
E--> 154
E--> 155
              1141 agatatgatc gtgaaggtga gccatcacag ttagctgctg ttgacatttt cgtgagtact
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E--> 156
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E--> 158
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E--> 161
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E--> 164
E--> 165
              1741 atgaatgcac tggtgagagt ttcagcagtt cttaccaatg gacctttcat cttgaatctt
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/686,234A

DATE: 07/18/2002 TIME: 13:16:40

Strong

Input Set : A:\EP.txt

Output Set: N:\CRF3\07182002\1686234A.raw

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E>		- 1	1981	ttagatggga	ttcaaggacc	tgtatatgtc	ggaactggat	${\tt gtgttttcaa}$	cagaacagca
E>		- (2041	ttatacggtt	atgaacctcc	aataaaagta	aaacacaaga	agccaagtct	tttatctaag
E>		1	2101	ctctgtggtg	gatcaagaaa	gaagaattcc	aaagctaaga	aagagtcgga	caaaaagaaa
E>		1	2161	tcaggcaggc	atactgactc	aactgttcct	gtattcaacc	tcgatgacat	agaagaggga
E>	173	- 1	2221	gttgaaggtg	ctggttttga	tgatgaaaag	gcgctcttaa	tgtcgcaaat	gagcctggag
E>	174	1	2281	aagcgatttg	gacagtctgc	tgtttttgtt	gcttctaccc	taatggaaaa	tggtggtgtt
E>		1	2341	cctccttcag	caactccaga	aaaccttctc	aaagaggcta	tccatgtcat	tagttgtggt
E>	176		2401	tatgaggata	agtcagattg	gggaatggag	attggatgga	tctatggttc	tgtgacagaa
E>		- 1	2461	gatattctga	ctgggttcaa	aatgcatgcc	cgtggatggc	gatccattta	ctgcatgcct
E>	178		2521	aagcttccag	ctttcaaggg	ttctgctcct	atcaatcttt	cagatcgtct	gaaccaagtg
E>	179		2581	ctgaggtggg	ctttaggttc	agttgagatt	ctcttcagtc	ggcattgtcc	tatatggtat
E>	180		2641	ggttacaatg	ggaggctaaa	atttcttgag	aggtttgcgt	atgtgaacac	caccatctac
E>			2701	cctatcacct	ccattcctct	tctcatgtat	tgtacattgc	tagccgtttg	tctcttcacc
E>	182							tatggtttct	
E>	185		2821	ctctccattt	tcgccacggg	tatactagaa	atgaggtgga	gtggcgtagg	catagacgaa
E>	186		2881	tggtggagaa	acgagcagtt	ttgggtcatt	ggtggagtat	ccgctcattt	attcgctgtg
E>	187	}	2941	tttcaaggta	tcctcaaagt	ccttgccggt	attgacacaa	acttcacagt	tacctcaaaa
E>	188	1	3001	gcttcagatg	aagacggaga	ctttgctgag	ctctacttgt	tcaaatggac	aacacttctg
E>	189	- 1	3061	attccgccaa	cgacgctgct	cattgtaaac	ttagtgggag	ttgttgcagg	agtctcttat
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E>	191		3181	tgggtgattg	ttcacttgta	ccctttcctc	aagggtttga	tgggtcgaca	gaaccggact
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. E>	195	1	3421	ttattttca	ttgttttatt	tgttcacttt	tttacttttg	ttgtgtgtat	ctgtctgttc
E>	196	/					tgtagaatat	atcttactct	agttactttg
E>	197	'	3541	gaaagttata	attaaagtga	aag			

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/686,234A

DATE: 07/18/2002 TIME: 13:16:41

Input Set : A:\EP.txt

Output Set: N:\CRF3\07182002\1686234A.raw

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L:18 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
   L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
   L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
   L:36 M:220 C: Keyword misspelled or invalid format, [(ix) TELECOMMUNICATION INFORMATION:]
   L:52 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
   L:60 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
   L:60 M:333 E: Wrong sequence grouping, Amino acids not in groups!
   L:61 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
   L:61 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
  L:61 M:333 E: Wrong sequence grouping, Amino acids not in groups!
  L:62 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
  L:62 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
  L:62 M:333 E: Wrong sequence grouping, Amino acids not in groups!
  L:63 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
  L:63 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
  L:63 M:333 E: Wrong sequence grouping, Amino acids not in groups!
  L:64 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
  L:64 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
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  L:65 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
  L:65 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
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 L:66 M:333 E: Wrong sequence grouping, Amino acids not in groups!
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 L:67 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
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 L:68 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:68 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:69 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
 L:69 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:69 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:70 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:70 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:70 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:71 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:71 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:71 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:72 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:72 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:72 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:73 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:73 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:73 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:74 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:74 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/686,234A
DATE: 07/18/2002
TIME: 13:16:41

Input Set : A:\EP.txt

Output Set: N:\CRF3\07182002\I686234A.raw

```
L:74 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:75 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:75 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:75 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:76 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:76 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:76 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:77 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:77 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:77 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:78 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:78 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:78 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:79 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:79 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:79 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:80 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:80 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:80 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:81 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:81 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:81 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:82 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:82 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:82 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:83 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
L:83 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:83 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:84 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
 L:84 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:84 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:85 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
 L:85 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:85 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:86 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
 L:86 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:86 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:87 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
 L:87 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:87 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:88 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
 L:88 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:88 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:89 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
 L:89 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:89 M:333 E: Wrong sequence grouping, Amino acids not in groups!
 L:90 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
 L:90 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
 L:90 M:333 E: Wrong sequence grouping, Amino acids not in groups!
```

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Input Set : A:\EP.txt

Output Set: N:\CRF3\07182002\1686234A.raw

L:91 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:91 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:91 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:92 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:92 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:92 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:93 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:93 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:93 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:94 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:94 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:94 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:95 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:95 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:95 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:96 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:96 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:96 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:97 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:97 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:97 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:98 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:98 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:98 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:99 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:99 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:99 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:100 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:100 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:100 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:101 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:101 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:101 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:102 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:102 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:102 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:103 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:103 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:103 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:104 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:104 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:104 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:105 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:105 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:105 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:106 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0 L:106 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7 L:106 M:333 E: Wrong sequence grouping, Amino acids not in groups! L:107 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0

VERIFICATION SUMMARY

DATE: 07/18/2002

PATENT APPLICATION: US/09/686,234A

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Input Set : A:\EP.txt

Output Set: N:\CRF3\07182002\1686234A.raw

- L:107 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
- $L:107\ M:333\ E:$ Wrong sequence grouping, Amino acids not in groups!
- L:108 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
- $L:108\ M:334\ W:$ (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
- L:108 M:333 E: Wrong sequence grouping, Amino acids not in groups!
- L:109 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
- L:109 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
- $L:109\ M:333\ E:$ Wrong sequence grouping, Amino acids not in groups!
- L:110 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:0
- L:119 M:204 E: No. of Bases differ, LENGTH:Input:3563 Counted:0 SEQ:1
- L:197 M:204 E: No. of Bases differ, LENGTH:Input:3563 Counted:0 SEQ:2